WHAT IS CLAIMED IS:

1. A system to detect the position of a distal end of an introducer assembly in tissue containing a blood vessel, comprising:

(a) an introducer assembly having a distal end and a proximal end and a fluid path between the distal end and the proximal end; and

(b) a pressure sensor, coupled to the proximal end of the introducer assembly, to measure blood pressure and output a waveform indicative of blood pressure at the distal end of the introducer assembly.

2. A system as set forth in claim 1, further comprising:

a display to display said waveform.

3. A system as set forth in claim 1 wherein the introducer assembly comprises a core pin with a channel as said fluid path.

4. A system as set forth in claim 1 wherein the introducer assembly comprises:

an introducer with a side hole at a distal end of the introducer; and

a core pin, insertable into the introducer, with a channel as said fluid path, the channel being in communication with the side hole of the introducer when the core pin is inserted into the introducer.